

Form C-104
Rev. 09/2008**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**Date 9/2/09Contract ID 090220-901Job No. J9I0603County PulaskiOriginal Bid Cost 5,175,496.73Contractor Chester Bross ConstructionBy Scott GanderDesigned By Robby R. RakestrawPhone 573-221-5958VECP# 09-87 (to be completed by C.O.)VECP ☒ or VEC/PDU ☐**1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**

The existing requirements called for a SP125BSM asphalt mix. Chester Bross Construction proposes substituting a SP125BSMR in lieu of this SP125BSM. The advantage of this change would reduce the mix cost due to a cost reduction in the material cost of the mix. This can be achieved by using a local source for the aggregate material for this mix.

2. Estimate of reduction in construction costs. \$49,994.59**3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**

This change is predicted to have no negative effects on maintenance and operations.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.September 2, 2009

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.September 17, 2009

(date)

No effect

(effect)

6. Dates of any previous or concurrent submission of the same proposal.April 2, 2009

(date and/or dates)

Additional Comments:

This is a revision of our original proposal. This revision is caused by the actual cost of the mix once the actual mix design was complete. The original proposal was based on preliminary numbers from the lab.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

Not recommend as 95% of mix already laid

Phil Knott
Submitted By Resident Engineer

3 September 09
Date

Comments:

This VE was previously agreed to on April 2, 2009. If prices needed to change, it should have been done before the mix was laid.

☐ Approval
Recommended

☒ Rejection
Recommended

Tom L...

District Engineer

9/9/09

Date

Comments:

RECOMMENDED FOR REJECTION
I concur with Phil's comments.

☐ Approval
Recommended

☒ Rejection
Recommended

FELIX R. GONZALEZ
Felix R. Gonzalez

Federal Highway Administration
Required for FHWA Full Oversight Projects

Oct. 6, 2009

Date

Comments:

☐ Approval

☒ Rejection

David D. G...

State Construction and Materials Engineer BAW

9-30-09

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102



<Felix.R.Gonzalez@dot.gov>

09/19/2009 09:58 AM

To <Brian.Williams@modot.mo.gov>

cc <Mike.Wake@modot.mo.gov>,
<Millard.Knott@modot.mo.gov>

bcc

Subject RE: "Revised VE Proposal"

Brian;

I concur with the recommendation to reject the VE proposal.

felix.r.gonzalez@dot.gov

federal highway administration

missouri division * 573-638-2622 *

The truth does not need defense... it is self-evident.

From: Brian.Williams@modot.mo.gov [mailto:Brian.Williams@modot.mo.gov]

Sent: Tuesday, September 15, 2009 12:43 PM

To: Gonzalez, Felix (FHWA)

Cc: Mike.Wake@modot.mo.gov; Millard.Knott@modot.mo.gov

Subject: "Revised VE Proposal"

Felix,

Attached is a VE proposal in which the contractor is requesting a revised (higher) price for asphalt mix. Also attached is the VE proposal that was previously approved establishing a price for the asphalt. Since the mix is 95% laid the RE and District recommend to reject this VE proposal.

The Construction and Materials Division concurs to reject this VE. Please review and provide the FHWA recommendation.

If you have any questions or concerns, you can contact me at (573) 751-2806 or Mike Wake at (417) 469-6244 or Phill Knott at (417) 469-9024.

Thanks,

Brian A. Williams, PE
Construction and Materials Liaison Engineer
Phone (573) 751-2806
Cell (573) 301-2583
Fax (573) 526-4354
brian.williams@modot.mo.gov

CHESTER BROSS CONSTRUCTION COMPANY



P.O. Box 430
Hannibal, MO 63401

Chester Bross, President
"Equal Opportunity Employer"

Ph: 573-221-5958
Fax: 573-221-1892

Contract I.D. 090220-901
Job No. J910603
Route I-44, Pulaski County

REVISED

DATE: 9/2/2009

VECP

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Material Cost</u> <u>for SP125BSM</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 56.56	\$ 924,082.94

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Material Cost</u> <u>for</u> <u>SP125BSMR</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 53.50	\$ 874,088.35

TOTAL SAVINGS \$ 49,994.59


Project Manager

CHESTER BROSS CONSTRUCTION COMPANY



P.O. Box 430
Hannibal, MO 63401

Chester Bross, President
"Equal Opportunity Employer"

Ph: 573-221-5958
Fax: 573-221-1892

Contract I.D. 090220-901
Job No. J910603
Route I-44, Pulaski County

REVISED

DATE: 9/2/2009

VECP

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Bid Price for</u> <u>SP125BSM</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 84.90	\$ 1,387,104.69

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Bid Price for</u> <u>SP125BSMR</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 81.84	\$ 1,337,110.10

TOTAL SAVINGS \$ 49,994.59


Project Manager

Form C-104
Rev. 09/2008

COPY

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

VE#1
40#2

Contract ID 090220-901
 County Pulaski
 Contractor Chester Bross Construction
 Designed By Robby R. Rakestraw
 VEC# 1 (to be completed by C.O.)

Date April 2, 2009
 Job No. 0910603 / 44-2(221)
 Original Bid Cost \$4,979,656.04
 By Scott Gander
 Phone 573-221-5958
 VEC ☒ or VEC/PDU ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages
 The existing requirements called for a SP125BSM asphalt mix. Chester Bross Construction proposes substituting a SP125BSMR in lieu of this SP125BSM. The advantage of this change would reduce the mix cost due to a cost reduction in the material cost of the mix. This can be achieved by using a local source for the aggregate material for this mix.

2. Estimate of reduction in construction costs. \$72,867.93

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

This change is predicted to have no negative effects on maintenance and operations.

MODOT

APR 21 2009

Rolla Project Office

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 Specifications.

April 2, 2009
 (date)

FHWA
MO DIV
RECEIVED

APR 21 2009

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

April 17, 2009
 (date)

No effect
 (effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A
 (date and/or dates)

DA	
ADA	
Planning	
ROW	
Env Review	
Env Pro	
Fin Mgr	
Fin Spec	
Fin Tech	
Bridge	
Civil Rights	
Safety	
Operations	
TE1	
TE2 FEGG	
TE3	
TE4	

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

Recommend approval as 50/50 UE

Victoria Woods
Submitted By Resident Engineer

4-6-09
Date

Comments:

Recommend as 75/25 as a Practical Design VE

☐ Approval
Recommended

☐ Rejection
Recommended

Tom Sells
District Engineer

4-6-09
Date

Comments:

I RECOMMEND APPROVAL OF THIS VECP AS A 75/25

☒ Approval
Recommended

☐ Rejection
Recommended

[Signature]
Federal Highway Administration
Required for FHWA Full Oversight Projects

April 22, 2009
Date

Comments:

☐ Approval

☐ Rejection

State Construction and Materials Engineer

Date

CHESTER BROSS CONSTRUCTION COMPANY

P.O. Box 430
Hannibal, MO 63401

Chester Bross, President
"Equal Opportunity Employer"

Ph. 573-221-5958
Fax: 573-221-1892

Contract I.D. 090220-901

DATE: 4/2/2009

Job No. J910603

Route I-44, Pulaski County

VECP


Line No 0080

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Bid Price for</u> <u>SP125BSM</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 84.90	\$ 1,387,104.69

Line No 0080

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Bid Price for</u> <u>SP125BSMR</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 80.44	\$ 1,314,236.76

TOTAL SAVINGS \$ 72,867.93


Project Manager

CHESTER BROSS CONSTRUCTION COMPANYP.O. Box 430
Hannibal, MO 63401Chester Bross, President
"Equal Opportunity Employer"Ph: 573-221-5958
Fax: 573-221-1892

Contract I.D. 090220-901

DATE: 4/2/2009

Job No. J910603

Route I-44, Pulaski County

VECP

Line No.
0080

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Material Cost</u> <u>for SP125BSM</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 56.56	\$ 924,082.94

Line No.
0080

<u>Bid Item</u>	<u>Qty</u>	<u>Unit</u>	<u>Material Cost</u> <u>for</u> <u>SP125BSMR</u>	<u>Total</u>
4030132 ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125BSM MIX)	16,338.10	TN	\$ 52.10	\$ 851,215.01

TOTAL SAVINGS \$ 72,867.93


Project Manager

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

This proposal has been rejected. The contractor proposed a revised (higher) price for asphalt mix that was agreed to on a previous VE proposal. This revision was submitted after 95% of the mix was laid.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.
